

Mitchell, Brian

From: Graesch, Matthew <matthew.graesch@dnr.iowa.gov>
Sent: Tuesday, July 23, 2019 10:54 AM
To: Mitchell, Brian
Subject: Re: FW: site assessment

I guess that is the quandary though.....the aquifer that would potentially move the contamination off site is by definition difficult to predict since it is a braided outwash system. I have mapped the bedrock surface in the vicinity as best I think possible, and it still doesn't have the resolution to predict the location of individual channels, just the main channel (which is east of the site in question). I do not believe that lateral movement through the Wisconsin or pre-Illinoian deposits is plausible to any significant extent given that horizontal perm is very low. Vertical perm is where the action is in these deposits without fail. It is unfortunate that the two off-site wells drilled last year did not contact the buried gravels. The hydrogeology of the situation just makes it unlikely for a well offsite to show any contamination at any level other than in the buried gravels. I know that is not a palatable answer, but I believe it to be true.

I am going to call the lawyer (Douglas Arnold) and explain that IF they choose to join Iowa LRP, we will require cleanup actions that may be more active than will be required under the current EPA plan in order to address the gross contamination under the foundation regardless of what may or may not be happening off site.

Thanks

Matt

On Tue, Jul 23, 2019 at 10:38 AM Mitchell, Brian <Mitchell.Brian@epa.gov> wrote:

I have identified a few potential sources but am waiting on CERCLA to conduct the work.

The drilling to be conducted must show their contamination off-site and migrating toward or already in the muni wells.

Brian Mitchell



RCRA Corrective Action Officer

EPA Region 7

LCRD/ROAG

2.3 – P44

11201 Renner Blvd

Lenexa, Kansas 66219

913-551-7633 work

816-304-4158 cell

From: Graesch, Matthew <matthew.graesch@dnr.iowa.gov>

Sent: Tuesday, July 23, 2019 10:25 AM

To: Mitchell, Brian <Mitchell.Brian@epa.gov>

Subject: Re: FW: site assessment